

**CLAIMS**

I claim:

1. In a frequency band, a method of frequency hopping, comprising:  
  
5 on a first channel, transmitting data from a master to a slave; and  
  
transmitting data from the slave to the master on the first channel.
2. The method of claim 1 wherein the first channel is a good channel.
3. The method of claim 1 wherein the first channel is a bad channel.
4. The method of claim 1 wherein the first channel is selected via a random hopping sequence.

5. The method of claim 1 wherein the first channel is selected via an intelligent frequency hopping sequence.

6. The method of claim 1 wherein the channel selected for transmitting data from the slave to the master is selected via an enhanced hopping sequence algorithm.

7. The method of claim 1 wherein the transmitting of data from the master to the slave takes place in a first time slot, and the transmitting of data from the slave to the master takes place in a second time slot.

8. The method of claim 1 wherein the frequency band is a Bluetooth frequency band.

9. The method of claim 1 wherein the transmitting of data from the slave to the master is in response to the transmitting of data from the master to the slave.

10. In a frequency band, a system for channel hopping, comprising:
- an enhanced master; and
- an enhanced slave communicatively coupled to the enhanced master.

5 11. The system of claim 10 wherein the enhanced master comprises a computer processor.

12. The system of claim 10 wherein the enhanced master comprises a digital signal processor.

13. The system of claim 10 wherein the enhanced slave is a thin client.

14. The system of claim 10 wherein the enhanced slave is a display device.

15 15. The system of claim 10 wherein the enhanced slave is active.

16. A computer readable medium adapted to enable frequency hopping in a frequency band, by:

on a first channel, transmitting data from a master to a slave; and

transmitting data from the slave to the master on the first channel.

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17. The computer readable medium of claim 16, wherein the computer readable medium is RAM.

18. The computer readable medium of claim 16, wherein the computer readable medium is a CD-ROM.

19. The computer readable medium of claim 16, wherein the computer readable medium is maintained in a specific computing machine.

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